

Title (en)
TENSIONING DEVICE

Title (de)
SPANNVORRICHTUNG

Title (fr)
DISPOSITIF DE MISE SOUS TENSION

Publication
EP 3787839 A4 20220119 (EN)

Application
EP 19796491 A 20190501

Priority
• US 201862665053 P 20180501
• US 2019030139 W 20190501

Abstract (en)
[origin: US2019338831A1] A tensioning device includes a housing, a drive member, a driven member, and a cable member. The housing includes an attachment feature. The drive member is rotatably coupled with the housing. The driven member is disposed in the housing and is operably coupled with the drive member. The cable member is coupled with the driven member. The driven member is slidably coupled with the housing such that the driven member and the cable member are slidable together between a retracted position and an extended position in response to rotation of the drive member.

IPC 8 full level
B25B 25/00 (2006.01); **B60P 3/079** (2006.01); **B65H 59/40** (2006.01); **F16G 11/12** (2006.01); **F16M 13/02** (2006.01)

CPC (source: EP US)
B60P 7/0838 (2013.01 - EP); **F16G 11/12** (2013.01 - EP US); **B60P 7/0823** (2013.01 - US)

Citation (search report)
• [YA] US 2013111715 A1 20130509 - SQUIRES TIMOTHY P [US], et al
• [YA] US 2011000317 A1 20110106 - RUAN BUQIN [CN]
• [A] WO 2009113873 A1 20090917 - EIDE TORE [NO]
• See references of WO 2019213213A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
US 10920852 B2 20210216; **US 2019338831 A1 20191107**; AU 2019261995 A1 20201203; CA 3099122 A1 20191107;
CN 112334276 A 20210205; EP 3787839 A1 20210310; EP 3787839 A4 20220119; MX 2020011538 A 20201124; US 11236802 B2 20220201;
US 11828348 B2 20231128; US 2021164540 A1 20210603; US 2022136583 A1 20220505; WO 2019213213 A1 20191107

DOCDB simple family (application)
US 201916400337 A 20190501; AU 2019261995 A 20190501; CA 3099122 A 20190501; CN 201980039929 A 20190501;
EP 19796491 A 20190501; MX 2020011538 A 20190501; US 2019030139 W 20190501; US 202117175960 A 20210215;
US 202217581105 A 20220121